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<b>(21) International Application Number:</b> PCT/US98/13750 <b>(22) International Filing Date:</b> 1 July 1998 (01.07.98)  <b>(30) Priority Data:</b> 08/886,653 1 July 1997 (01.07.97) US 08/967,492 11 November 1997 (11.11.97) US  <b>(71) Applicant (for all designated States except US):</b> ATHEROGENICS, INC. [US/US]; 3065 Northwoods Circle, Norcross, GA 30071 (US).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> CHINERY, Rebecca [GB/US]; 1500 21st Avenue South #212, Nashville, TN (US). BEAUCHAMP, R., Daniel [US/US]; 928 Yearling Way, Nashville, TN 37221 (US). COFFEY, Robert, J. [US/US]; 125 Ridge Road, Woodside, CA 94062 (US). MEDFORD, Russell, M. [US/US]; 7935 Fawndale Way, Atlanta, GA 30350 (US). WADSINSKI, Brian [US/US]; 8217 Londonberry Road, Nashville, TN 37221 (US).  <b>(74) Agent:</b> KNOWLES, Sherry, M.; King & Spalding, 191 Peachtree Street, Atlanta, GA 30303 (US).		<b>(81) Designated States:</b> AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GE, HU, ID, IL, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).  <b>Published</b> <i>With international search report.</i>  <b>(88) Date of publication of the international search report:</b> 22 April 1999 (22.04.99)
<b>(54) Title:</b> ANTIOXIDANT ENHANCEMENT OF THERAPY FOR HYPERPROLIFERATIVE CONDITIONS		
<b>(57) Abstract</b>  A method to enhance the cytotoxic activity of an antineoplastic drug comprising administering an effective amount of the antineoplastic drug to a host exhibiting abnormal cell proliferation in combination with an effective cytotoxicity-increasing amount of an antioxidant. The invention also includes a method to decrease the toxicity to an antineoplastic agent or increase the therapeutic index of an antineoplastic agent administered for the treatment of a solid growth of abnormally proliferating cells, comprising administering an antioxidant prior to, with, or following the antineoplastic treatment.		

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